

00684.003357.1

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|   |   |                            |
|---|---|----------------------------|
| In re Application of:                   | ) |                            |
|   | : | Examiner: Not Yet Assigned |
| MASATO TANAKA                           | ) |                            |
|   | : | Group Art Unit: Unassigned |
| Application No.: Unassigned - This is a | ) |                            |
| Divisional of: 10/119,003               | : |                            |
| filed April 20, 2002                    | ) |                            |
|   | : |                            |
| Filed: Herewith                         | ) |                            |
|   | : |                            |
| For: ELECTROPHOTOGRAPHIC                | ) |                            |
| PHOTOSENSITIVE MEMBER,                  | : |                            |
| PROCESS-CARTRIDGE AND                   | ) |                            |
| APPARATUS                               | : |                            |
| (As Amended)                            | ) | August 28, 2003            |

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. Copies of the listed documents were provided in the parent application number 10/119,003.

Applicant wishes to distinguish certain references from the present claimed invention. The invention described in JP 05-275771 relates to a porphyrin thin film, a method for producing the same, and a multi-layered film by using the same.

In JP 05-275771, claim 7, "the porphyrin thin film has a thickness of 2 to 50Å" is disclosed. Further, in column, 0006, "the thin film has a thickness of preferably not more than 80Å, more preferably 2 to 50Å" is disclosed. Therefore, JP 05-275771 does

not teach that the layer containing a porphyrin compound has a thickness of 0.05 $\mu$ m to 5  $\mu$ m.

Further, JP 05-275771 relates to a solar cell, photoconductive element, and trace metal element sensor element in a solution, but does not directly disclose an electrophotographic photosensitive member.

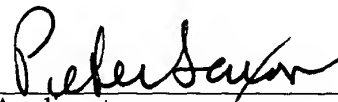
JP 06-136278 discloses a compound represented by formula (I) in which A<sup>11</sup> to A<sup>14</sup> is a thienyl group. However, the porphyrin compound used in the electrophotographic photosensitive member of the present invention, at least one of A<sup>11</sup> to A<sup>14</sup> is a pyridyl group capable of having a substituent. Such compounds are not disclosed in JP 06-136278.

#### CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicant's undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our address given below.

Respectfully submitted,



Attorney for Applicant

Registration No. 24947

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|---|--|--|--|--|--|---|--|
| FORM PTO 1449 (modified)<br><br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br>LIST OF REFERENCES CITED BY APPLICANT(S)<br>(Use several sheets if necessary) |  |  |  | ATTY DOCKET NO.<br><b>00684.003357.1</b> |  | APPLICATION NO.<br><b>N/Y/A/Div of 10/119,003</b> |  |
|   |  |  |  | APPLICANT<br><b>MASATO TANAKA</b>        |  |   |  |
|   |  |  |  | FILING DATE<br><b>Herewith</b>           |  | GROUP<br><b>Unassigned</b>                        |  |

| U.S. PATENT DOCUMENTS |                    |      |                  |       |          |                               |  |
|-----------------------|--------------------|------|------------------|-------|----------|-------------------------------|--|
| *EXAMINER<br>INITIAL  | DOCUMENT<br>NUMBER | DATE | NAME             | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |  |
|                       | 3895944            | 7/75 | Wiedemann et al. | 430   | 78       |                               |  |
|                       | 5109016            | 4/92 | Dixon et al.     | 540   | 145      |                               |  |
|                       | 5122247            | 6/92 | Kokado et al.    | 430   | 58.15    |                               |  |
|                       | 5515393            | 5/96 | Okuyama, et al.  | 372   | 45       |                               |  |
|                       | 5811212            | 9/98 | Tanaka           | 430   | 58       |                               |  |
|                       | 6190811<br>B1      | 2/01 | Tanaka, et al.   | 430   | 78       |                               |  |
|                       | 6245472<br>B1      | 6/01 | Tanaka           | 430   | 78       | 9/10/98                       |  |
|                       | 6248490<br>B1      | 6/01 | Suzuki, et al.   | 430   | 69       | 11/30/99                      |  |
|                       |                    |      |                  |       |          |                               |  |

| FOREIGN PATENT DOCUMENTS |                    |       |         |       |          |   |  |
|--------------------------|--------------------|-------|---------|-------|----------|---|--|
|                          | DOCUMENT<br>NUMBER | DATE  | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES/NO/<br>OR ABSTRACT       |  |
|                          | JP 63-106662       | 5/88  | Japan   |       |          | Abstract                                    |  |
|                          | JP 5-313033        | 11/93 | Japan   |       |          | Abstract                                    |  |
|                          | JP 5-333575        | 12/93 | Japan   |       |          | Abstract                                    |  |
|                          | JP 6-334272        | 12/94 | Japan   |       |          | Abstract<br>and U.S.<br>Patent<br>5,515,393 |  |

| OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.) |  |  |
|--|--|--|
|  |  | Adler, et al.; "On the Preparation of Metalloporphyrins"; J. Inorg. Nucl. Chem., 1970, Vol. 32, pp. 2643-2445. |
|  |  | Fischer, et al.; "Synthese des Porphins"; Ann. Chem. <u>521</u> , 157 (1936)                                   |
|  |  |  |

|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

|   |           |   |              |  |            |  |                                       |
|---|-----------|---|--------------|--|------------|--|---------------------------------------|
| FORM PTO 1449 (modified)<br><br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br>LIST OF REFERENCES CITED BY APPLICANT(S)<br>(Use several sheets if necessary) |           |   |              | ATTY DOCKET NO.<br><b>00684.003357.1</b> |            | APPLICATION NO.<br><b>Div. Of 10/119,003</b> |                                       |
|   |           |   |              | APPLICANT<br><b>MASATO TANAKA</b>        |            |  |                                       |
|   |           |   |              | FILING DATE<br><b>H r with</b>           |            | GROUP<br><b>Unassign d</b>                   |                                       |
| U.S. PATENT DOCUMENTS   |           |   |              |  |            |  |                                       |
| *EXAMINER<br>INITIAL  |           | DOCUMENT<br>NUMBER  | DATE         | NAME                                     | CLASS      | SUBCLASS                                     | FILING DATE<br>IF APPROPRIATE         |
|   |           | <b>5821021</b>  | <b>10/98</b> | <b>Kawehara, Akihiko</b>                 | <b>430</b> | <b>78</b>                                    |                                       |
|   |           |   |              |  |            |  |                                       |
|   |           |   |              |  |            |  |                                       |
| FOREIGN PATENT DOCUMENTS  |           |   |              |  |            |  |                                       |
|   |           | DOCUMENT<br>NUMBER  | DATE         | COUNTRY                                  | CLASS      | SUBCLASS                                     | TRANSLATION<br>YES/NO/<br>OR ABSTRACT |
|   | <b>JP</b> | <b>5-275771</b>   | <b>10/93</b> | <b>Japan</b>                             |            |  | <b>Abstract</b>                       |
|   | <b>JP</b> | <b>6-136278</b>   | <b>5/94</b>  | <b>Japan</b>                             |            |  | <b>Abstract</b>                       |
|   | <b>JP</b> | <b>7-321409</b>   | <b>12/95</b> | <b>Japan</b>                             |            |  | <b>Abstract</b>                       |
|   | <b>JP</b> | <b>7-335975</b>   | <b>12/95</b> | <b>Japan</b>                             |            |  | <b>Abstract</b>                       |
|   | <b>JP</b> | <b>8-088441</b>   | <b>4/96</b>  | <b>Japan</b>                             |            |  | <b>Abstract</b>                       |
|   | <b>JP</b> | <b>9-189930</b>   | <b>7/97</b>  | <b>Japan</b>                             |            |  | <b>Abstract</b>                       |
|   | <b>JP</b> | <b>9-240051</b>   | <b>9/97</b>  | <b>Japan</b>                             |            |  | <b>Abstract</b>                       |
|   | <b>JP</b> | <b>9-275242</b>   | <b>10/97</b> | <b>Japan</b>                             |            |  | <b>Abstract</b>                       |
|   |           |   |              |  |            |  |                                       |
| OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)  |           |   |              |  |            |  |                                       |
|   |           | <b>Derwent Acc. No. 1994-197323 (1999).</b>   |              |  |            |  |                                       |
|   |           | <b>Borsenberger, Paul M. et al., Organic Photoreceptors for Imaging Systems. New York: Marcel-Dekker, Inc. (1993) pp. 6-17 &amp; 289-292.</b> |              |  |            |  |                                       |
|   |           |   |              |  |            |  |                                       |
|   |           |   |              |  |            |  |                                       |
| EXAMINER  |           |   |              | DATE CONSIDERED                          |            |  |                                       |

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